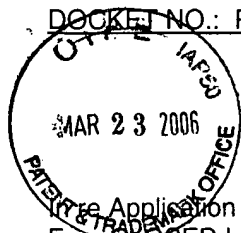


IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT TRANSMITTAL



Re Application of: Hill et al.

For: CLOSED LOOP NEUROMODULATION FOR PREVENTION AND TREATMENT OF CARDIAC CONDITIONS

Serial No.: 10/035,319

Filed: 10/26/2001

**CERTIFICATE OF MAILING UNDER 37 CFR 1.8:** I hereby certify that this **MISSING PARTS** and the paper(s), as described herein, are being deposited in the U.S. Postal Service, as first class mail, addressed to the Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this 21<sup>st</sup> day of March, 2006.

Molly Chlebeck  
Signature  
Molly Chlebeck  
Printed Name

Commissioner of Patents and Trademarks  
Washington, D.C. 20231

Sir:

We are transmitting herewith the attached:

- ☐ Information Disclosure Statement
- ☒ Supplemental Information Disclosure Statement
- ☒ PTO FORM 1449
- ☒ Copies cited references
- ☒ Return Postcard

FEE CALCULATION

- ☒ \$ 00.00 Pursuant to 37 CFR §1.97(b) (before mailing of first Office Action)
- ☐ \$ 00.00 Pursuant to 37 CFR §1.97(c) with Certification (cited in foreign application not more than 3 months earlier)
- ☐ \$ 00.00 Pursuant to 37 CFR §1.97(e) with Certification
- ☐ \$180.00 Pursuant to 37 CFR §1.97(c) without Certification
- ☐ \$180.00 Pursuant to 37 CFR §1.97(d) with Certification

- ☐ Applicant hereby petitions for a \_\_\_\_\_ months' extension of time. If an additional extension of time is required, please consider this petition therefor.
- ☒ Applicant believes that no extension of time is required. However, if an extension of time is required, please consider this a petition therefor to provide for the possibility that applicant has inadvertently overlooked the need for an extension of time.
- ☒ Please charge any additional fees or credits to Deposit Account No. 13-2546 which may have been overlooked with regard to this filing. A duplicate of this transmittal is enclosed.

20 March 06  
Date

Paul H. McDowall  
Paul H. McDowall  
Reg. No. 34,873  
Telephone: (763) 514-3351  
Customer No, 27581



Docket: P10124.00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Applicant(s): Hill et al.	) Art Unit: 3766
	)
Serial No.: 10/035,319	) Examiner: F. Oropeza
	)
Filed: October 26, 2001	)

For: CLOSED LOOP NEUROMODULATION FOR PREVENTION AND TREATMENT  
OF CARDIAC CONDITIONS

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**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
Washington D.C. 20231

Dear Sir:

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with C.F.R. §§ 1.97 *et. seq.*, the materials enclosed herewith are brought to the attention of the Examiner as possibly being of interest in connection with the above-identified patent application.

Consideration of each of the documents listed on the attached Form 1449 is respectfully requested. Pursuant to the provisions of M.P.E.P. §609, Applicant further requests that a copy of the Form 1449, marked as being considered and initialed by the Examiner, be returned with the next Official Communication.

Respectfully submitted,

Date

20 March '06

By:

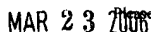
Paul H. McDowall

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/035,319
				Filing Date	October 26, 2001
				First Named Inventor	Thomas J. Mullen
				Group Art Unit	3762
				Examiner Name	F. Oropeza
Sheet	2	of	5	Attorney Docket Number	P10124.00

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite <sup>1</sup> No.	Foreign Patent Document		Name of Patentee of Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>				
	BR		WO 9216257	A1	Obel, et al.	10-01-1992	
	BS		EP 0530354	A1	Obel, et al.	03-10-1993	
	BT		EP 0547734	A2	Collins	06-23-1993	
	BU		EP 0721786	A2	Obel, et al.	07-17-1996	
	BV		WO 9955413	A1	King	11-04-1999	
	BW		WO 0234327	A2	Mullen, et al.	05-02-2002	
	BX		WO 0234330	A2	Hill, et al.	05-02-2002	
	BY		WO 0245791	A2	Hill, et al.	06-13-2002	
	BZ		WO 2002085448	A2	Foreman, et al.	10-31-2002	
	CA		WO 2003099377	A1	Ayal, et al.	12-04-2003	

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite <sup>1</sup> No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	CB	LI, et al., "Reversal of Reflex-Induced Myocardial Ischemia by Median Nerve Stimulation (A): A Feline Model of Electroacupuncture," dated March 31, 1998, pp. 1186-94	
	CC	HORSCH, et al., "Spinal Cord Stimulation For Ischemic Rest Pain," from <u>The Belgian Randomized Study</u> , dated 1994, pp. 197-201	
	CD	BILGUTAY, et al., "Vagal Tuning," from <u>Journal of Thoracic &amp; Cardiovascular Surgery</u> , July 1968, 56:71-82	
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	CG	SCHWARTZ, et al., "Effect of dorsal root section on the arrhythmias associated with coronary occlusion," from <u>American Journal of Physiology</u> , September 1976, pp. 923-928	
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	CO	BUTLER, et al., "Cardiac Responses To Electrical Stimulation Of Discrete Loci In Canine Atrial And Ventricular Ganglionated Plexi," from <u>The American Physiological Society</u> , 1990, pp. H1365-H1373	

Examiner Signature	Date Considered
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<sup>5</sup> Kind of document by the appropriate symbol as indicated on the document under WIPO Standard ST. 16 if possible.

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Sheet	3 of 5														

	CP	HULL, et al., "Heart Rate Variability Before And After Myocardial Infarction In Conscious Dogs At High And Low Risk Of Sudden Death," from <u>The American College of Cardiology</u> , 1990, pp. 978-985	
	CQ	ARMOUR, M.D., "Intrinsic Cardiac Neurons," from <u>Journal of Cardiovascular Electrophysiology</u> , Vol. 2, No. 4, August 1991, pp. 331-341	
	CR	CHANDLER, et al., "Effects Of Vagal Afferent Stimulation On Cervical Spinothalamic Tract Neurons In Monkeys," from <u>Pain</u> , 1991, pp. 81-87	
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	DC	ARMOUR, "Peripheral Autonomic Neuronal Interactions In Cardiac Regulation," from <u>Neurocardiology</u> , 1994, pp. 219-244	
	DD	FOREMAN, "Spinal Cord Neuronal Regulation Of The Cardiovascular System," from <u>Neurocardiology</u> , 1994, pp. 245-276	
	DE	HULL, et al., "Exercise Training Confers Anticipatory Protection From Sudden Death During Acute Myocardial Ischemia," from <u>Circulation</u> , 1994, pp. 548-552	
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	DL	ARMOUR, et al., "Gross And Microscopic Anatomy Of The Human Intrinsic Cardiac Nervous System," from <u>The Anatomical Record</u> , 1997, pp. 289-298	

Examiner Signature	Date Considered
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	DM	CROOM, et al., "Cutaneous Vasodilation During Dorsal Column Stimulation Is Mediated By Dorsal Roots And CGRP," from <u>The American Physiological Society</u> , 1997, pp. H950-H957	
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	DP	BARRON, et al., "Spinal Integration Of Antidromic Mediated Cutaneous Vasodilation During Dorsal Spinal Cord Stimulation In The Rat," from <u>Neuroscience Letter</u> , 1999, pp. 173-176	
	DQ	FOREMAN, "Mechanisms Of Cardiac Pain," from <u>Annu. Rev. Physiol.</u> , 1999, pp. 143-167	
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	DV	HOPKINS, et al., "Pathology Of Intrinsic Cardiac Neurons From Ischemic Human Hearts," from <u>The Anatomical Record</u> , 2000, pp. 424-436	
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	DY	ARDELL, "Neurohumoral Control Of Cardiac Function," from <u>Heart Physiology and Pathophysiology</u> , Fourth Edition, 2001, pp. 45-59	
	DZ	FARRELL, et al., "Angiotensin II Modulates Catecholamine Release Into Interstitial Fluid Of Canine Myocardium In Vivo," from <u>Am J. Physiol. Heart Cir. Physiol.</u> , 2001, pp. H813-H822	
	EA	KINGMA, JR., et al., "Neuromodulation Therapy Does Not Influence Blood Flow Distribution Or Left-Ventricular Dynamics During Acute Myocardial Ischemia," from <u>Autonomic Neuroscience: Basic &amp; Clinical</u> , 2001, pp. 47-54	
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	EG	ARDELL, "Intrathoracic Neuronal Regulation Of Cardiac Function," from <u>Basic and Clinical Neurocardiology</u> , 2004, pp. 118-152	
	EH	KONSTANTINOV, et al., "electrical stimulation of the spinal cord in cardiovascular disease," from <u>Vestn Ross Akad Med Nauk</u> , 2002, pp. 17-23	
	EI	DI PEDE, et al., "Long-Term Effects Of Spinal Cord Stimulation On Myocardial Ischemia And Heart Rate Variability: Results Of A 48-Hour Ambulatory Electrocardiographic Monitoring," from <u>Ital. Heart J.</u> , September 2001, pp. 690-695	

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Sheet	5	of	5	Attorney Docket Number	P10124.00

DJ	NORRSELL, et al., "Effects Of Spinal Cord Stimulation And Coronary Artery Bypass Grafting On Myocardial Ischemia And Heart Rate Variability: Further Results From The ESBY Study," from <u>Cardiology</u> , 2000	
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Examiner Signature		Date Considered	
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